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U. S. Department of Agriculture  
List of Projects and  
Symbols.



Class \_\_\_\_\_

Book \_\_\_\_\_

U. S. DEPARTMENT OF AGRICULTURE,  
BUREAU OF ANIMAL INDUSTRY,  
A. D. MELVIN, Chief of Bureau.

## LIST OF PROJECTS AND SYMBOLS.

EFFECTIVE JULY 1, 1917.



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## KEY TO PROJECT SYMBOLS.

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### APPROPRIATIONS.

	No.		No.
Administrative expenses	1	Diseases of animals	6
Inspection and quarantine	2	Contagious abortion	6a
Eradicating cattle ticks	3	Construction buildings Bethesda and Beltsville	7
Live - stock demonstration	3a	Hog-cholera control	8
Dairy industry	4	Control virus, serum, toxins	8a
Animal husbandry	5	Hog-cholera research	8b
Military horse breeding	5a	Eradicating dourine	9
Poultry investigations	5b	Meat inspection	10
Purchase land, Middlebury	5c	Eradicating foot-and-mouth, etc.	11
Equipment sheep farm, Idaho	5d		

### DIVISIONS.

Office chief of bureau	A	Experiment station	J
Animal husbandry	B	Field inspection	K
Biochemic	C	Control hog cholera	L
Dairy	D	Control virus, serum, and toxins	M
Meat inspection	E		
Pathological	F	Tick eradication	N
Quarantine	G	Tuberculosis eradication,	
Zoological	H	etc	P

Projects are numbered 1, 2, 3, etc., under each appropriation, subappropriation, and division. (See illustrated symbol below.)

Appropriation	10E9	Meat inspection.
Division		Meat inspection.
Project number		Post-mortem inspection of animals.

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## GENERAL ADMINISTRATION.

(Appropriation: "Administrative expenses.")

- 1A1 Chief, assistant chief, and chief clerk.
- 1A2 Stores.
- 1A3 Department overhead.
- 1A4 Editorial.
- 1A5 Accounts.
- 1A6 Appointments.
- 1A7 Property.
- 1A8 Filing.
- 1A9 Instrument maker.

## ERADICATION AND CONTROL OF ANIMAL DISEASES.

(Except where otherwise specifically provided.)

(Appropriation: "Inspection and quarantine.")

- 2K1 Supervision (Scabies and dourine).
- 2P1 Supervision (Tuberculosis, etc.).
- 2K2 Stores.
- 2P2 Stores.
- 2K3 Eradication of scabies in sheep.
- 2C1 Preparation of testing outfits for sheep dips.
- 2K4 Eradication of mange (scabies) in cattle and horses.
- 2C2 Preparation of testing outfits for cattle and horse dips.
- 2P3 Supervision of interstate transportation of live stock.
- 2P4 Enforcement of the 28-hour law.  
Inspection relative to the existence of contagious diseases:  
2G1 Control of animal diseases in Porto Rico.  
2G2 Control of glanders and scabies in District of Columbia.

Inspection and tuberculin and mallein testing of cattle and horses:

- 2P5      Inspection and testing cattle and horses for interstate movement.
- 2P6      Testing dairy herds in Maryland and Virginia in co-operation with District of Columbia.
- 2P7      Testing pure-bred breeding cattle in cooperation with private individuals.
- Preparation and distribution of tuberculin, mallein, and blackleg vaccine:
- 2C3      Tuberculin.
- 2C4      Mallein.
- 2F1      Blackleg vaccine.
- 2C5      Investigation and chemical testing of dips and disinfectants.

## **INSPECTION AND QUARANTINE OF IMPORTED ANIMALS AND EXPORT LIVE-STOCK INSPECTION.**

(Appropriation: "Inspection and quarantine.")

- 2G3      Supervision (Quarantine Division).
- 2G4      Stores.
- Inspection of animals for importation:
- 2G5      From Mexico.
- 2G6      From Canada.
- 2G7      From other than North American countries.
- 2G8      In Great Britain for export to the United States.
- 2G9      Quarantine of animals at ports of entry.
- 2G10     Supervision over importation of animal by-products, forage, etc.
- 2G11     Inspection and testing of animals for export.
- 2G12     Inspection of vessels carrying export animals.
- 2C6      Investigating methods of disinfecting hides.

## **ERADICATION OF CATTLE TICKS.**

(Appropriation: "Eradicating cattle ticks.")

- 3N1      Eradication of cattle ticks.
- 3N2      Stores.
- 3C1      Preparation of testing outfits for cattle-tick dips.

## LIVE-STOCK DEMONSTRATION WORK IN AREAS FREED FROM CATTLE TICKS.

(Appropriation: "Live-stock demonstration.")

Live-stock demonstrations in tick-free areas:

- 3aB1 Animal husbandry.
- 3aD1 Dairy.

## DAIRY INVESTIGATIONS

(Appropriation: "Dairy industry.")

Administration:

- 4D1 Administration.
- 4D2 Stores.

Improvement of dairy product:

- 4D4 Improvement of dairy product.

Dairy farming:

- 4D5 Supervision.
- 4D6 Southern dairying.
- 4D7 Dairy demonstration farm.
- 4D8 Cow-testing associations and cooperation with county agents in dairy work.
- 4D9 Bull associations extension.
- 4D10 Community development in dairying.
- 4D11 Investigations in cow-testing associations.
- 4D12 Investigations in bull associations.
- 4D13 Holstein cattle breeding.

Dairy manufacturing:

- 4D15 Supervision.
- 4D16 Creamery extension.
- 4D17 Cheese factory extension.
- 4D18 Farm butter making.
- 4D19 Creamery management investigations.
- 4D20 Cheese factory investigations.
- 4D21 Renovated butter inspection.
- 4D22 Butter inspection for the Navy.

Dairy research laboratory:

- 4D25 Supervision.
- 4D26 Investigations of the manufacture and handling of commercial ice cream.

## Dairy research laboratory—Continued.

- 4D27 Changes in butter.  
 4D28 Milk-condensing investigations.  
 4D29 Bacteriology of milk.  
 4D30 Physiology of milk secretion.  
 4D31 Utilization of creamery and cheese-factory by-products.  
 4D32 Disposal of dairy, creamery, and cheese-factory wastes.  
 4D33 Manufacturing and ripening of Swiss cheese.  
 4D34 Soft-cheese investigations.  
 4D35 Cheddar-cheese investigations.  
 4D36 Silage investigations.  
 4D37 Chemical investigation in the feeding of dairy cattle.  
 Milk investigations and demonstrations:  
 4D40 Supervision.  
 4D41 Dairy sanitation investigations.  
 4D42 Cost of handling milk.  
 4D43 Cost of milk production.  
 4D44 Dairy sanitation extension.  
 Dairy Division experiment farm:  
 4D50 Supervision.  
 4D51 Breeding of dairy cattle.  
 4D52 Feeding of dairy cattle.  
 4D53 Housing and care of dairy cattle.  
 4D54 Feed production.  
 4D55 Silage investigations.  
 Metabolism in dairy cows:  
 4D60 Metabolism in dairy cows.  
 Western dairy extension:  
 4D65 Supervision.  
 4D66 Dairy farming.  
 4D67 Milk work.  
 4D68 Dairy manufacturing.

**ANIMAL HUSBANDRY INVESTIGATIONS.**

(Appropriation: "Animal husbandry.")

## Administration:

- 5B1 Administration.  
 5B2 Stores.

**Animal genetics:**

5B5      Genetic research.

**Animal husbandry experiment farm:**

5B8      Animal husbandry experiment farm.

**Beef-cattle investigations:**

5B15     Supervision.

5B16     Beef production.

5B17     Breeding shorthorn cattle.

5B18     Shrinkage in live stock during transportation.

**Swine investigations:**

5B23     Production of pork.

**Sheep and goat investigations:**

5B28     Supervision.

5B29     Farm-sheep investigations.

5B30     Range-sheep investigations.

5B31     Studies of wool and other animal fibers.

5B32     Milch-goat investigations.

**Certification of pedigrees:**

5B34     Certification of animals imported for breeding purposes.

**Animal husbandry extension work:**

5B35     Supervision.

5B36     Farm-sheep demonstrations.

5B37     Organization of pig clubs.

5B38     Beef-cattle extension.

**Horse and mule investigations:**

5B45     Supervision.

5B46     Farm horse and mule investigations.

5B47     Breeding American carriage horses.

5B48     Breeding Morgan horses.

5B49     Breeding horses on Indian reservations.

5aB1     Breeding horses for military purposes.

**Poultry investigations:**

5bB1     Supervision.

5bB2     Farm poultry investigations.

5bB3     Pigeon and squab investigations.

5bB4     Ostrich investigations.

5bB5     Turkey and guinea investigations.

Poultry husbandry extension work:

- 5bB10 Supervision.
- 5bB11 Improvement of the market egg.
- 5bB12 Organization of boys' and girls' poultry clubs.  
(Appropriation "Purchase of land, Middlebury, Vt.")
- 5cB1 Purchase of land, Middlebury, Vt.  
(Appropriation "Equipment of sheep farm, Idaho.")
- 5dB1 Equipment of sheep farm, Idaho.

## **INVESTIGATIONS OF ANIMAL DISEASES.**

(Appropriation "Diseases of animals.")

- 6F1 Supervision (Pathology).
- 6H1 Supervision (Zoology).
- 6J1 Supervision (Experiment Station).
- 6F2 Stores (Pathology).
- 6H2 Stores (Zoology).
- 6J2 Stores (Experiment Station).
- 6F3 Rabies investigations.  
Dourine and glanders investigations. (Changed to glanders investigations.)
- 6F4 Glanders investigations.
- 6F5 Forage poisoning or cerebrospinal meningitis of horses.  
Animal tuberculosis investigations:
- 6F6 Pathological.
- 6J3 Experiment Station.  
(Appropriation "Contagious abortion of animals.")
- 6aF1 Pathological.
- 6aJ1 Experiment Station.  
(Appropriation "Diseases of animals.")
- 6F7 Swamp fever investigations.
- 6F8 Anthrax diagnosis and immunization.  
Fowl disease investigations:
- 6F9 Investigation of avian tuberculosis, diphtheria, pox, cholera, etc.
- 6F10 Investigation of infectious enterohepatitis, blackhead in turkeys.

Miscellaneous biological investigations:

- 6F11 Pathological.
- 6J4 Experiment station.
- 6H3 Index catalogue and collection of parasites.
- 6H4 Investigation of roundworms of sheep.
- 6H5 Investigations of anthelmintics and treatment live stock for internal parasites.
- 6H6 Investigation of parasitic protozoa, with particular reference to blackhead in turkeys.
- 6H7 Investigations and control of cattle ticks and other external parasites.
- 6H8 Miscellaneous investigations of animal parasites.
- 6J7 General maintenance of Bethesda Experiment Station.
- 6J8 Breeding and feeding small experiment animals.
- 6F15 Investigations of stock poisoning by plants.

## **CONSTRUCTION OF BUILDINGS AT BETHESDA AND BELTSVILLE.**

(Appropriation "Construction of buildings at Bethesda and Beltsville.")

- 7B1 Animals husbandry, Beltsville.
- 7D1 Dairy, Beltsville.
- 7J1 Experiment Station, Bethesda.

## **INVESTIGATION, TREATMENT, AND ERADICATION OF HOG CHOLERA.**

(Appropriation: "Eradicating hog cholera.")

- 8L1 Supervision (hog-cholera control).
- 8bC1 Supervision (Biochemic. (Appropriation: "Hog-cholera research."))
- 8L2 Stores (hog-cholera control). (Appropriation: "Eradicating hog cholera.")
- 8bC2 Stores (Biochemic). (Appropriation: "Hog-cholera research.")

(Appropriation: "Eradicating hog cholera.")

- 8L3 Hog-cholera control, looking to eradication.
- 8L4 Educational and demonstrational hog-cholera work.

(Appropriation: "Hog-cholera research.")

- 8bC3 Investigation of methods of producing immunization against hog cholera.
- 8bC4 Investigation of the cause of hog cholera.
- 8bC5 Investigation of the mode of dissemination of hog cholera.

## **CONTROL OF THE MANUFACTURE, IMPORTATION, AND SHIPMENT OF VIRUSES, SERUMS, TOXINS, ETC.**

(Appropriation: "Control of viruses, etc.")

- 8aM1 Supervision (control viruses, serums, and toxins).
- 8aM2 Stores.
- 8aM3 Special supervisory inspection.
- 8aM4 Inspection of establishments.
- 8aF1 Pathological Division.

## **ERADICATION OF DOURINE.**

(Appropriation: "Eradicating dourine.")

Eradication of dourine:

- 9K1 Scabies and dourine.
- 9F1 Pathological.

## **CONTROL OF MEAT AND MEAT FOOD PRODUCTS.**

(Appropriation: "Meat inspection.")

- 10E1 Supervision (Meat-Inspection Division).
- 10E2 Store.
- Purchase, preparation, and distribution of branding ink and brands:
  - 10E3 Branding ink.
  - 10E4 Brands.
- 10E5 Special supervisory inspection.
- Laboratory inspection:
  - 10E6 Special laboratory inspection.
  - 10E7 Field-laboratory inspection.
- 10E8 Ante-mortem inspection of animals for slaughter.
- 10E9 Post-mortem inspection of animals.

- 10E10 Supervision of the preparation and distribution of meats.
- 10E11 Inspection of meats for the United States Navy. (Reimbursable.)
- 10E12 Inspection of public markets.
- 10E13 Supervision of operations conducted under certificates of exemption.
- 10E14 Examination of imported meats and meat food products.
  - Field overhead and miscellaneous meat inspection:
    - 10E15 Expense of transferring employees.
    - 10E16 Expenses of employees on relief duty.
    - 10E17 Station expenses.
  - 10E18 Investigation and control of house fly, etc., in inspected establishments.
- 10C1 Bacteriological investigations of meats and meat food products.
- 10C2 Investigating changes in meats during preservation.
- 10C3 Investigation of canned meats.
- 10F1 Pathological investigations of meats and meat food products.
- 10H1 Investigations of trichinosis, measles, etc., relating to meat inspection.













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